

# Quantitative Methods *Do* Work

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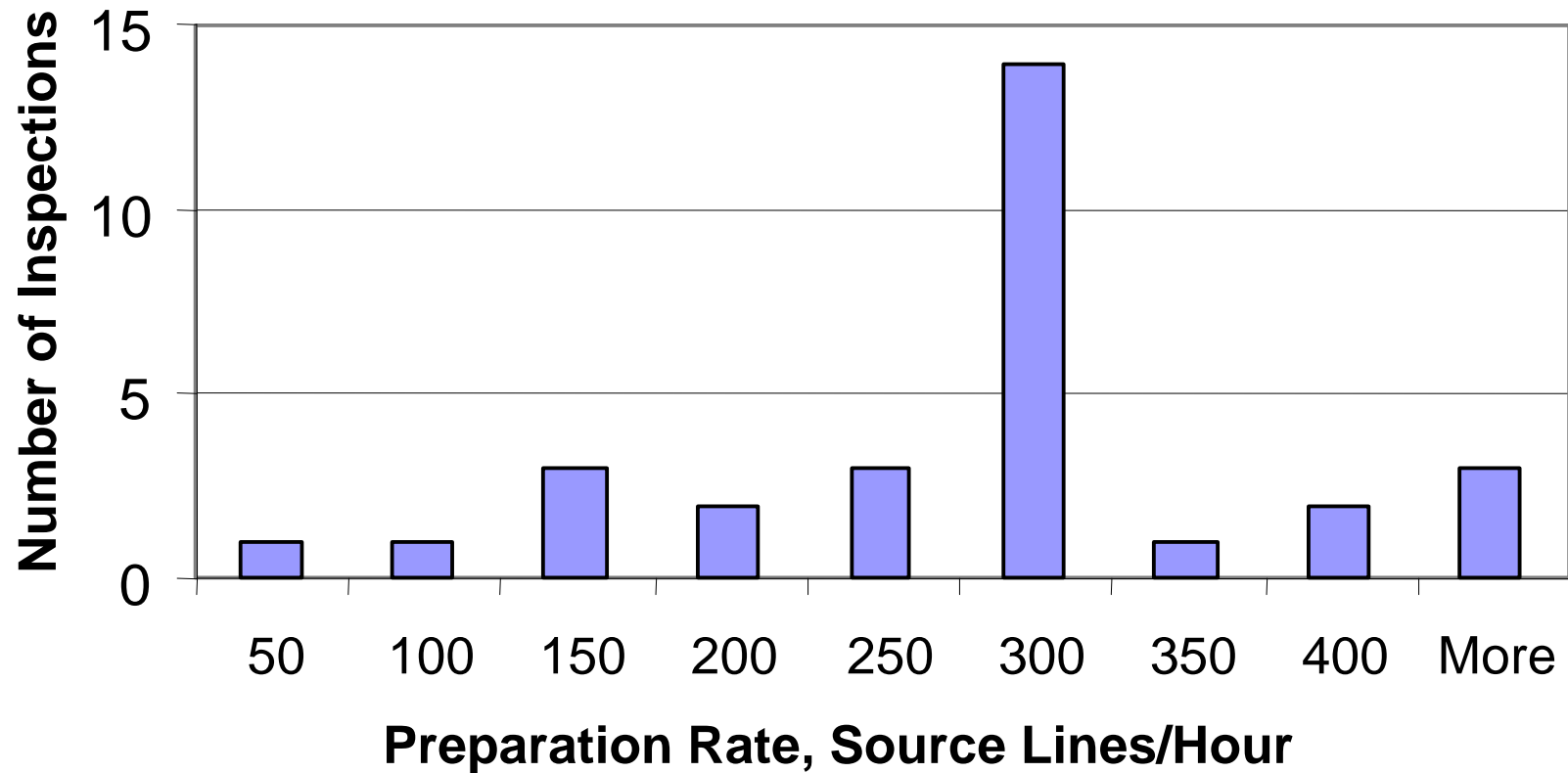
# Why Did We Decide to Use Quantitative Methods?

- Neat stuff?
- Intellectually challenging?
- To make Business Decisions
  - Will we meet quality goals?
  - How well is test progressing?
  - How well are we inspecting?
  - *Can we ship this product?*

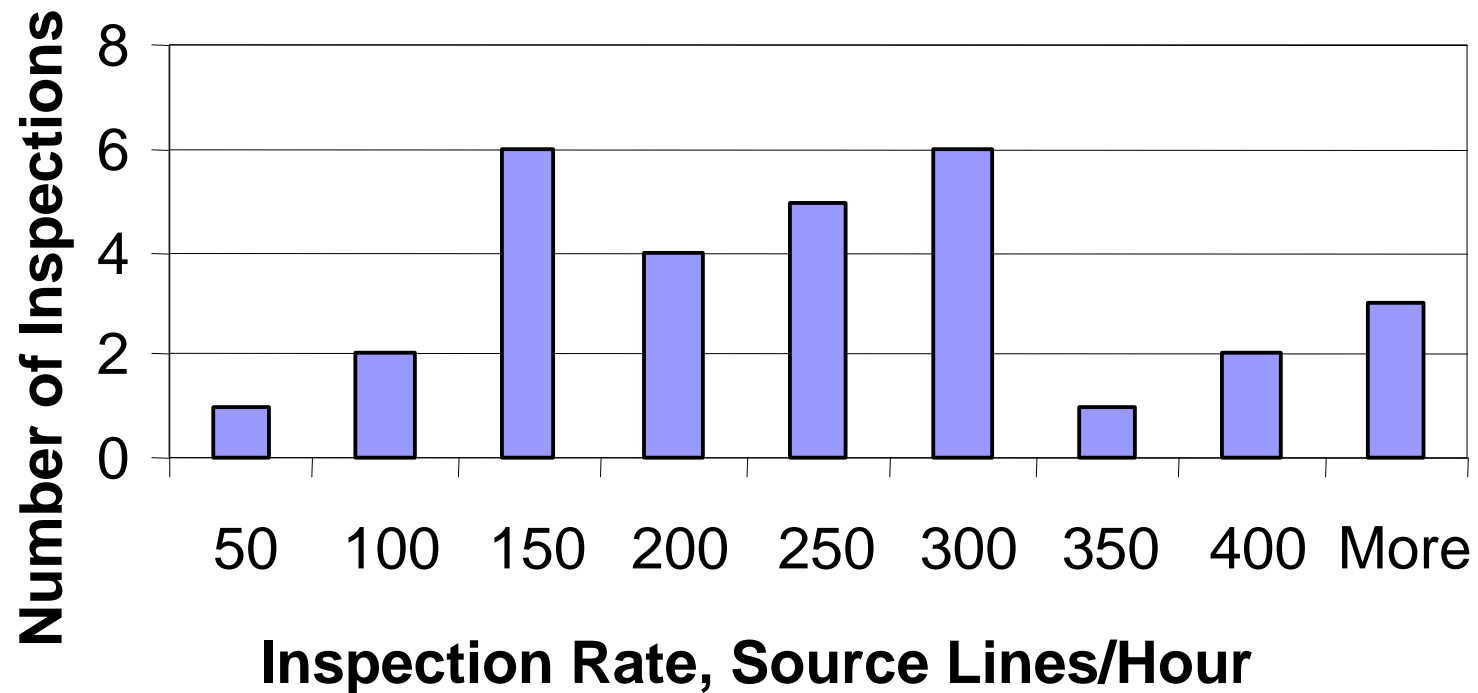
*If using quantitative methods doesn't meet a business need, don't use it!*



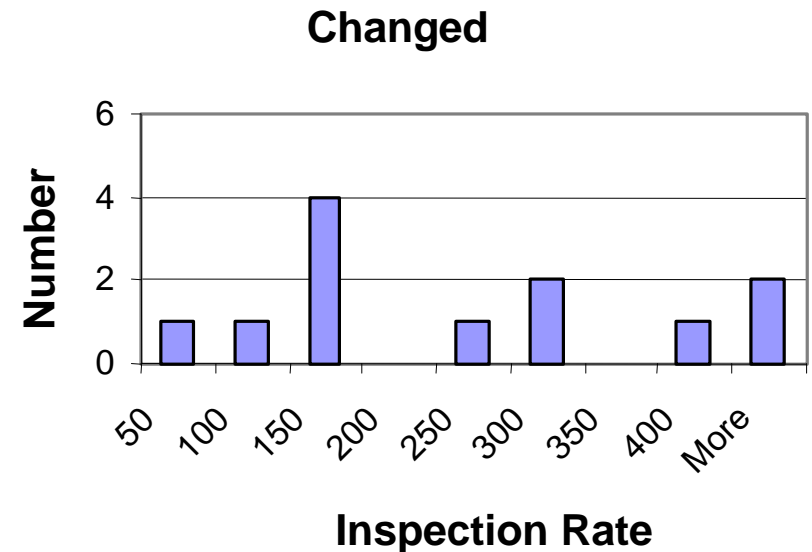
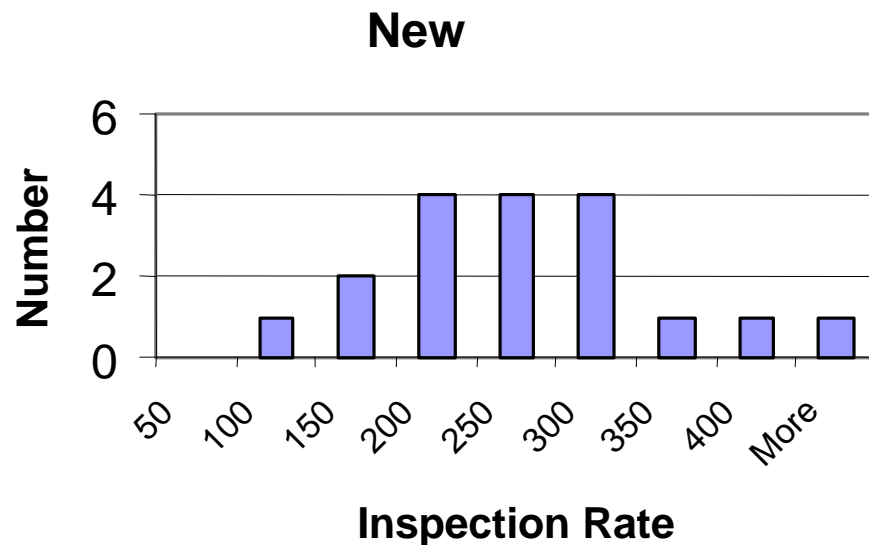
# How Well Are We Doing Inspections? - 1



## How Well Are We Doing Inspections? - 2



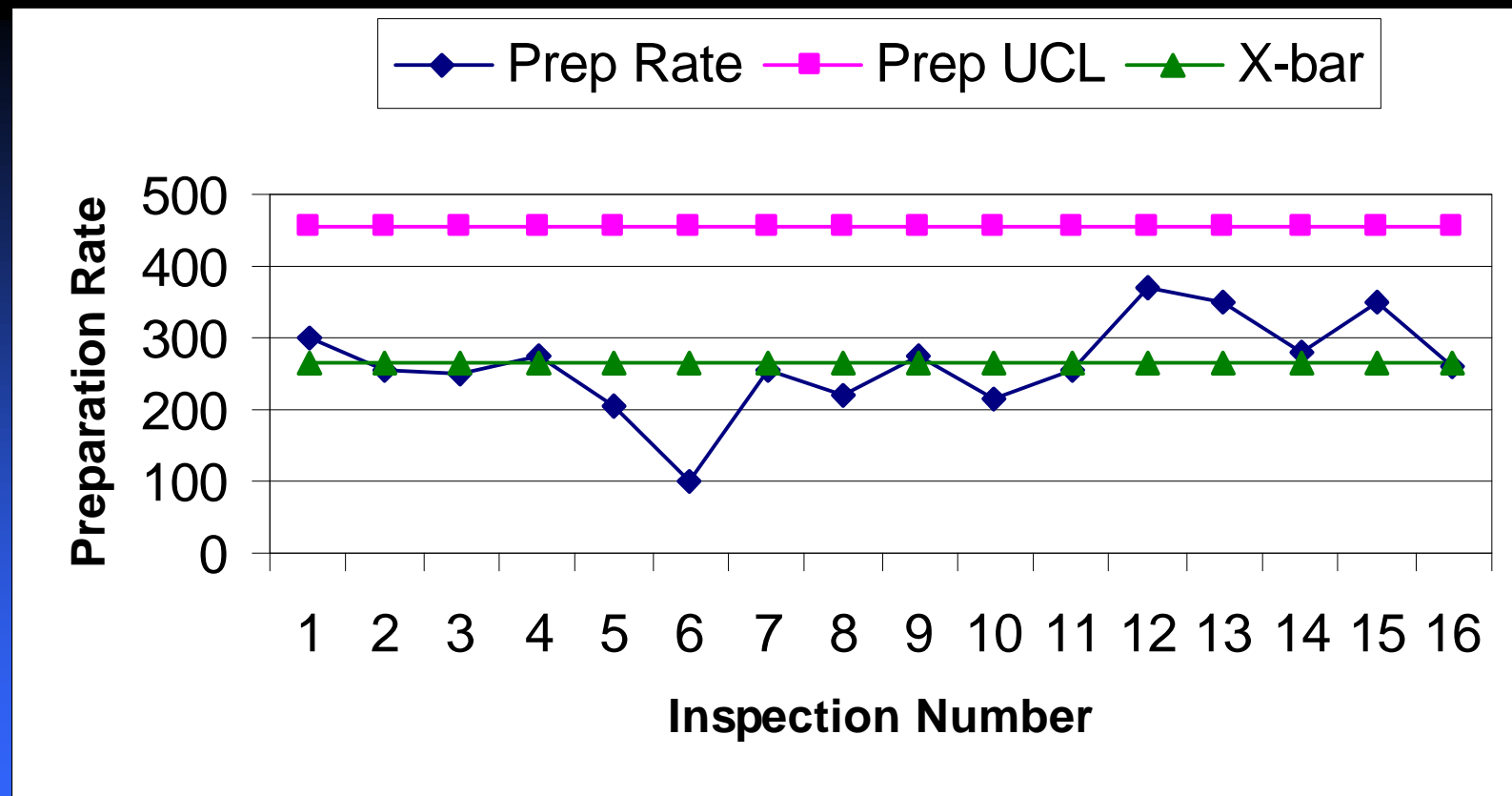
# How Well Are We Doing Inspections? - 3



Comparing “New” modules with “Changed” modules



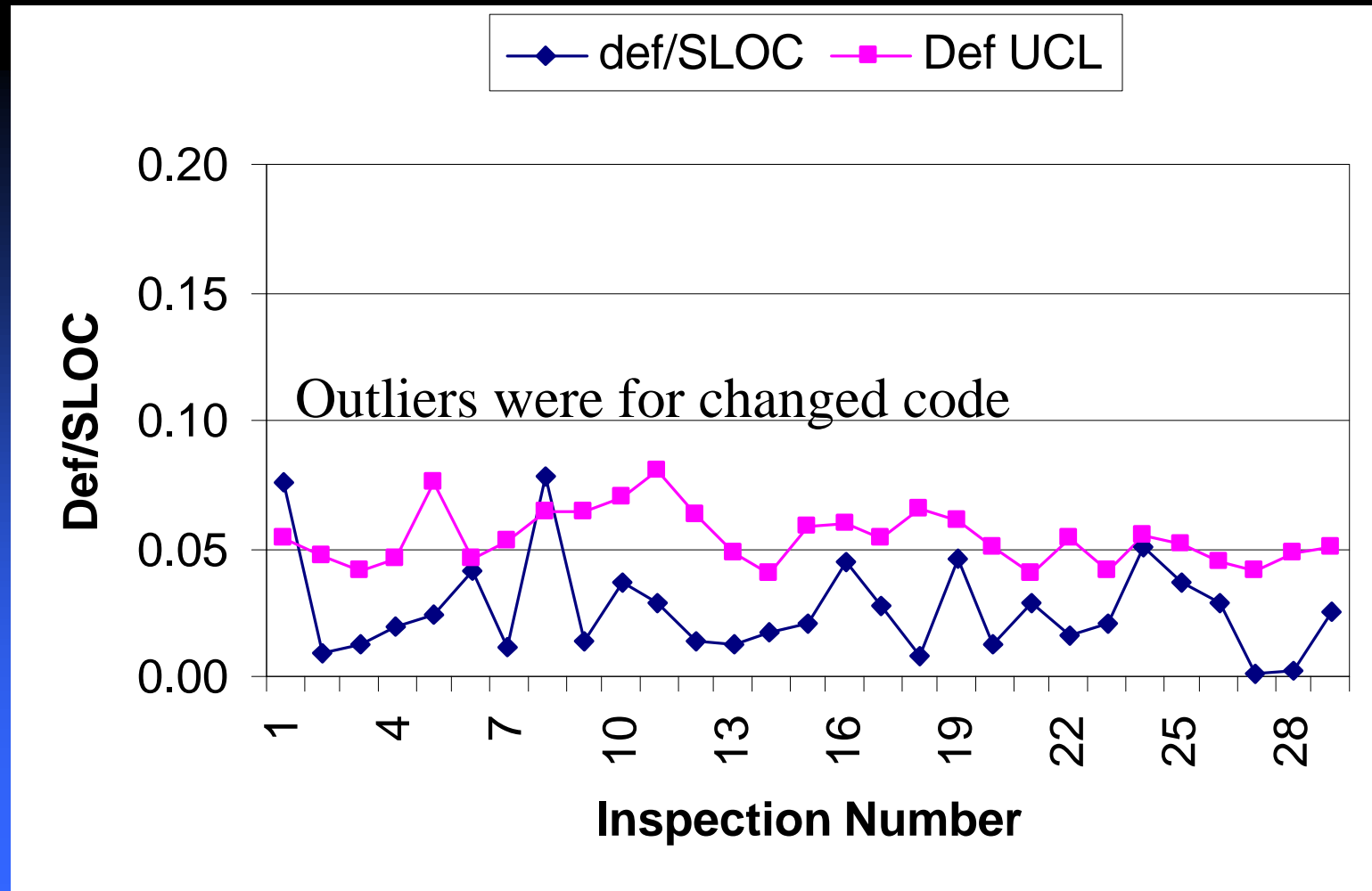
# How Well Are We Doing Inspections? - 4

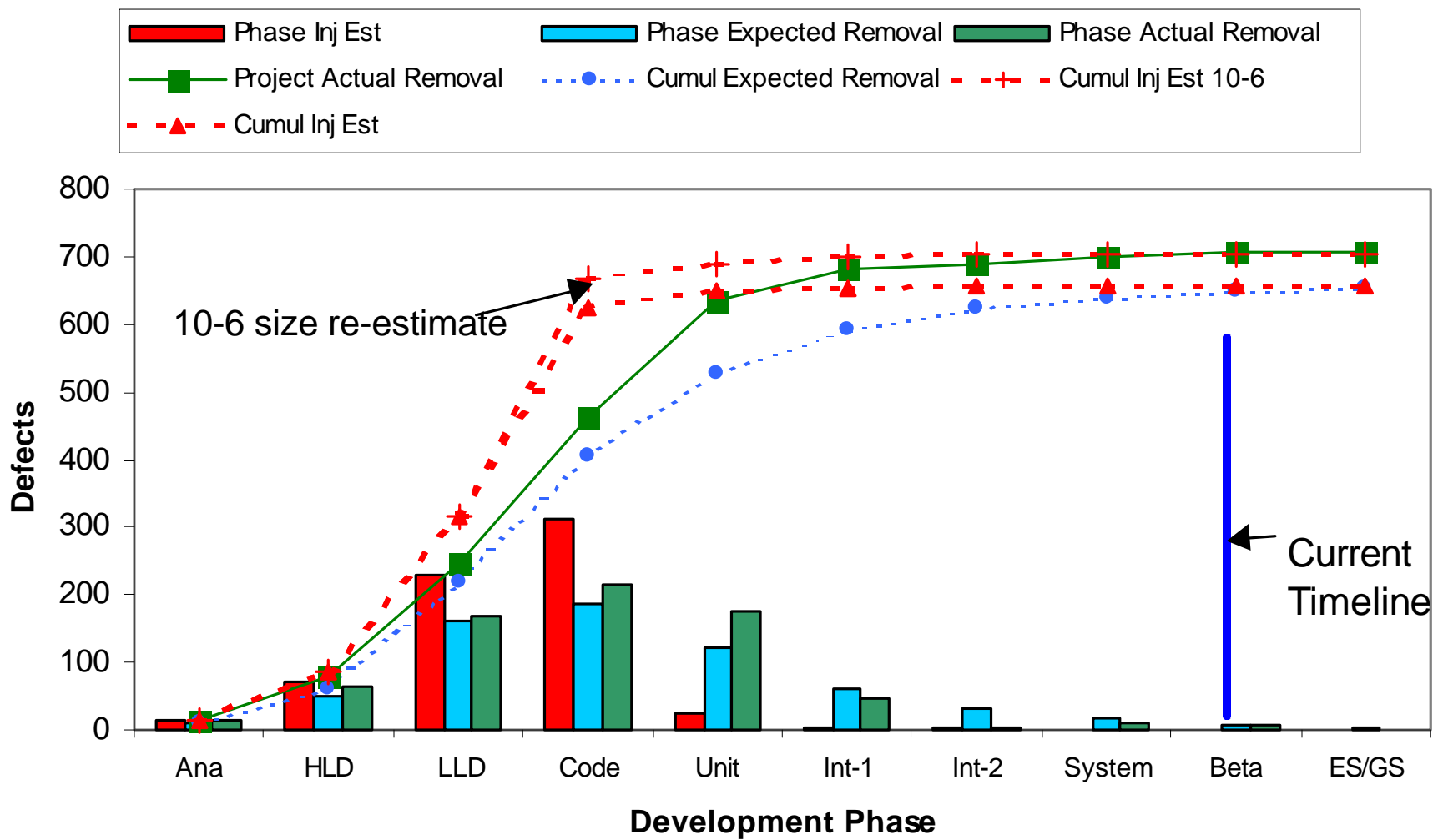


**Two special causes of variation removed  
(caused by work product variation)**



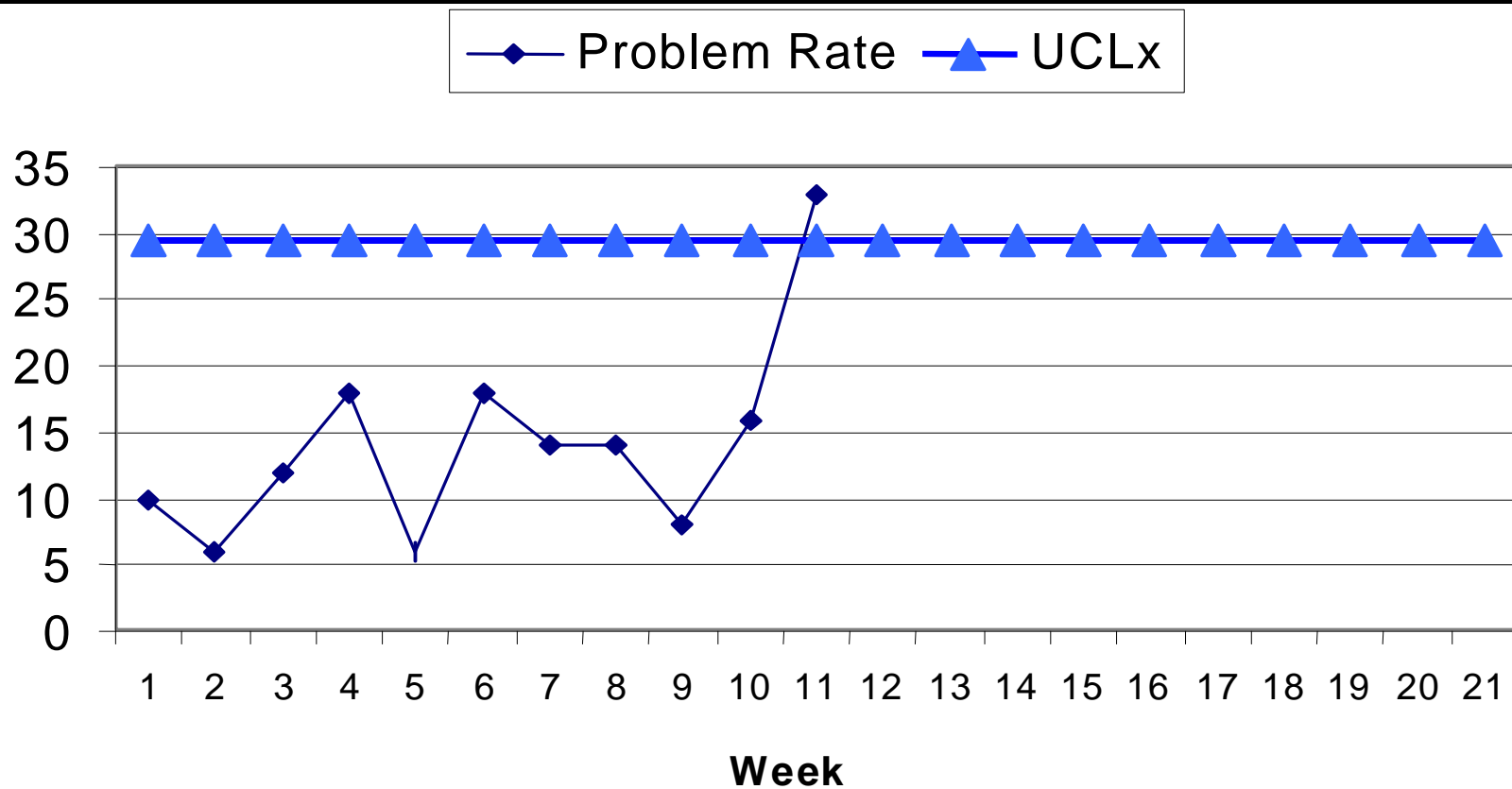
# How Well Are We Doing Inspections? - 5

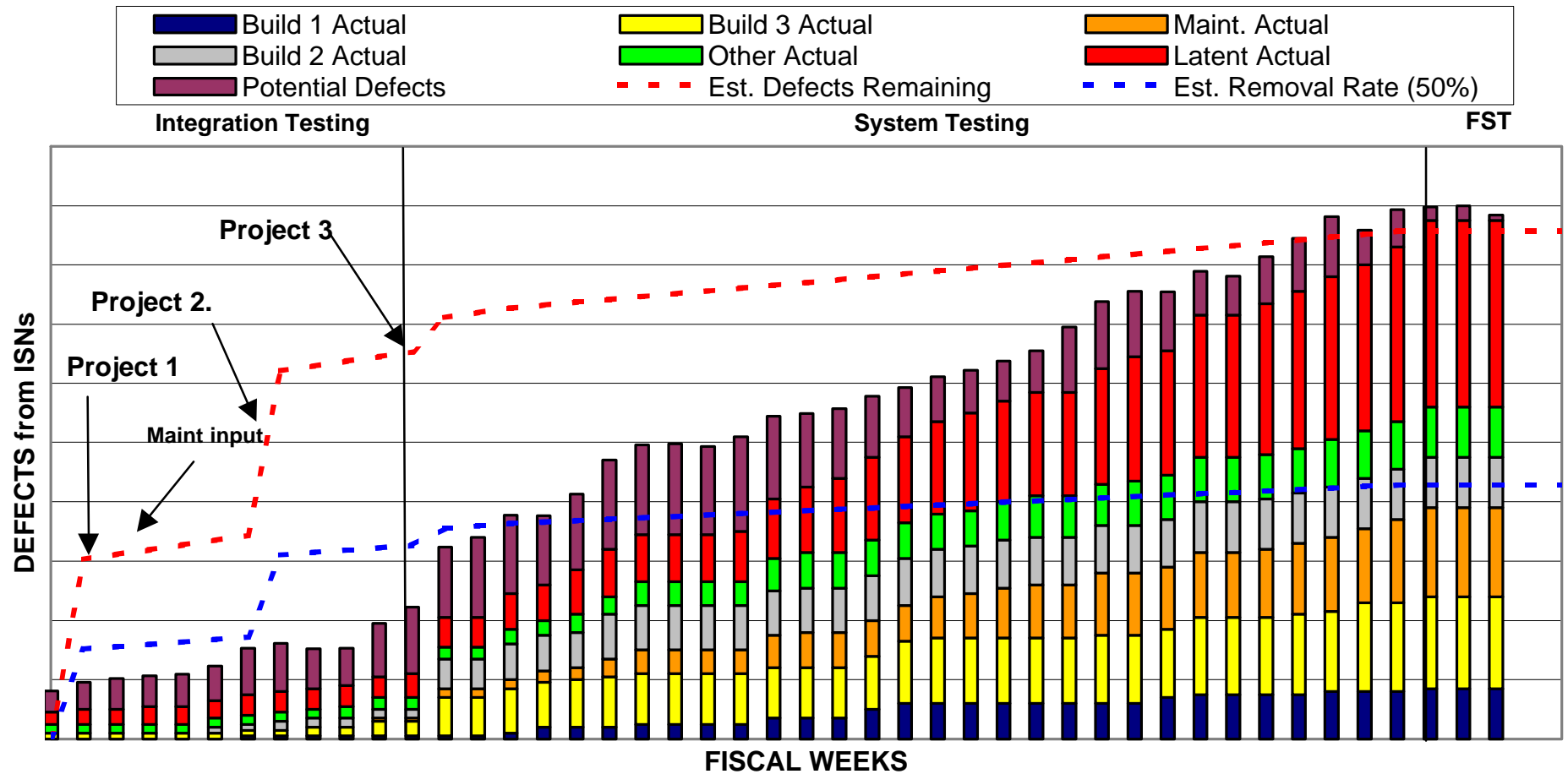






# How Well Are We Doing in Test?





**How do you know if this detection rate is good or bad?**

# Evaluating the Product

- Was the inspection process a controlled process?
- How good was the product when it entered test?
- How well was it tested?
- What was the residual defect rate?
- *Can we ship?*

